Serial No. 10/567,908 KAS-5191

Amendment

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Responsive to Final Office Action dated January 5, 2010

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the

application:

Listing of the Claims:

1. (Currently Amended) A swivel joint for a construction machine comprising a lower

travel structure and an upper swing structure mounted on said lower travel structure,

hydraulic equipment disposed on said lower travel structure and including travel motors and a

blade cylinder and hydraulic equipment disposed on said upper swing structure and including

valve apparatuses for control of said travel motors and said blade cylinder,

said swivel joint comprising a body rotating together with said <u>upper swing</u> structure,

and a spindle mounted to said lower travel structure and rotatably inserted in said body, said

spindle being fixedly mounted to said lower travel structure when said body rotates together

with said upper swing structure, joint being provided with a plurality of first tubes which

extend to said hydraulic equipment disposed on said upper swing structure and including

said valve apparatuses for control of said travel motors and said blade cylinder (80a) being

connected to said body and a plurality of second tubes which extend to said hydraulic

equipment disposed on said lower travel structure and including said travel motors and said

blade cylinder being connected to said spindle, said plurality of first tubes and said plurality

of second tubes being communicated with each other through a plurality of circumferential

grooves formed in an inner peripheral surface of said body and an outer peripheral surface of

said spindle and through a plurality of axial passages formed inside said spindle such that

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said plurality of first tubes and said plurality of second tubes are coupled to each other in a

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relatively rotatable manner,

wherein said body has first opposed sidewall portions positioned in opposed

relationship to each other and second sidewall portions positioned between said first opposed

sidewall portions, said first opposed sidewall portions having thicker-wall portions formed

respectively in opposed sidewalls thereof thicker than said second sidewall portions that the

other sidewalls thereofand formed to extend axially from an upper end surface of said body,

<u>and</u>

wherein said thicker wall portions are formed with a plurality of axial passages

communicating with said plurality of circumferential grooves are formed in a row

respectively within said thicker wall portions, said plurality of axial passages being

open opened at ansaid upper end surface of said body to provide a plurality of ports and said

plurality of first tubes are being connected to said plurality of ports whereby said plurality of

first tubes are connected to said upper end surface of said body in concentrated layout.

2. (Canceled)

3. (Previously Presented) The swivel joint for the construction machine according to

Claim 1,

wherein the upper end surface of said body is positioned above a main frame

constituting a bottom portion of said swing structure, and said plurality of first tubes are

connected to said plurality of ports at a position higher than a bottom surface of said main

frame.

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4. (Currently Amended) A construction machine comprising a lower travel structure, an upper swing structure, mounted on said lower travel structure, hydraulic equipment disposed on said lower travel structure and including travel motors and a blade cylinder and hydraulic equipment disposed on said upper swing structure and including valve apparatuses for control of said travel motors and said blade, and a swivel joint for coupling a plurality of first tubes extending to said hydraulic equipment disposed on said upper swing structure and including said valve apparatuses for control of said travel motors and said blade cylinder and a plurality of second tubes extending to said hydraulic equipment disposed on said lower travel structure and including said travel motors and said blade cylinder in a relatively rotatable manner,

wherein said swivel joint comprises a body rotating together with said upper swing structure, and a spindle mounted to said lower travel structure and rotatably inserted in said body, said spindle being fixedly mounted to said lower travel structure when said body rotates together with said upper swing structure,

said plurality of first tubes being connected to said body and said plurality of second tubes being connected to said spindle, said plurality of first tubes and said plurality of second tubes being communicated with each other through a plurality of circumferential grooves formed in an inner peripheral surface of said body and an outer peripheral surface of said spindle and through a plurality of axial passages formed inside said spindle, and

wherein said body has <u>first opposed sidewall portions positioned in opposed</u>
relationship to each other and second sidewall portions positioned between said first opposed
sidewall portions, said first opposed sidewall portions having thicker-wall portions formed
respectively <u>thicker</u> opposed sidewalls thereof than the other sidewalls thereof said second
side wall portions and formed to extend axially from an upper end surface of said body, and

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wherein said thicker wall portions are formed with a plurality of axial passages communicating with said plurality of circumferential grooves are formed in a row respectively within said thicker wall portions, said plurality of axial passages being open opened at an said upper end surface of said body to provide a plurality of ports, and said plurality of first tubes are being connected to said plurality of ports whereby said plurality of first tubes are connected to said upper end surface of said body in concentrated layout.

5. (Canceled)

6. (Previously Presented) The construction machine according to Claim 4,

wherein the upper end surface of said body is positioned above a main frame constituting a bottom portion of said swing structure, and said plurality of first tubes are connected to said plurality of ports at a position higher than a bottom surface of said main frame.